



PATENT
Attorney Docket No.: A-63761-7RFT/RMS/CYO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

KAYYEM et al.

Serial No. 10/081,936

Filed: February 20, 2002

For: ELECTRODES LINKED VIA
CONDUCTIVE OLIGOMERS TO
NUCLEIC ACIDS

Examiner: Not Yet Assigned

Group Art Unit: 1631

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to U S PATENT AND TRADEMARK OFFICE, BOX SEQUENCE, P O BOX 2327, Arlington, VA 22202 on

Dated June 24, 2002
Signed Mary M. Farland

AMENDMENT RE SEQUENCE LISTING

U.S. PATENT AND TRADEMARK OFFICE
Box SEQUENCE
P.O. Box 2327
Arlington, VA 22202

Sir:

This Amendment is in response to the Notice to File Missing Parts dated April 24, 2002. The present Amendment is submitted to comply with requirements for patent applications containing nucleotide sequence and/or amino acid sequences.

The Commissioner is authorized to charge any fees, including extension fees, which may be required, or credit any overpayment to Deposit Account No. 06-1300 (Our Order No. A-63761-7/RFT/RMS/CYO).

Please amend the application as follows to comply with requirements for patent applications containing nucleotide sequence and/or amino acid sequence disclosures in adherence with rules 37 C.F.R. § 1.821-1.825.

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IN THE SPECIFICATION:

Please replace the paragraph starting on page 112, line 12, with the following rewritten paragraph:

--Using the above techniques, and standard nucleic acid synthesis, the uridine with the phenyl-acetylene conductive polymer of Example 1 was incorporated at the 3' position to form the following nucleic acid: (SEQ ID NO:1) ACCATGGACTCAGCU-conductive polymer of Example 1 (hereinafter "wire-1").--

Please replace the paragraph starting on page 119, line 13, with the following rewritten paragraph:

--The following nucleic acid composition was made using the techniques above: (SEQ ID NO:2) 5'-ACCATGGAC[UBF]CAGCU-conductive polymer (Structure 5 type, as outlined above) herein "wire-3", with UBF made as described above. Thus, the second electron transfer moiety, ferrocene, is on the sixth base from the conductive oligomer.--

On page 125, immediately preceding the claims, insert the enclosed text entitled "SEQUENCE LISTING".

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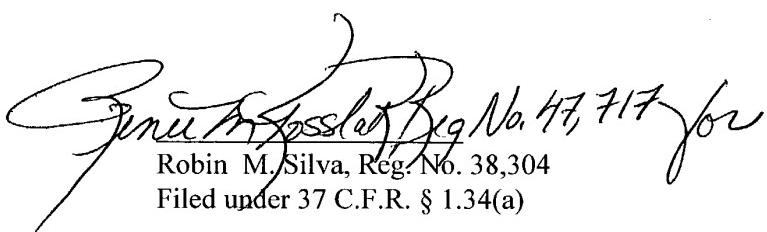
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REMARKS

Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached pages are captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

These amendments are made in adherence with 37 C.F.R. sec. 1.821-1.825. This amendment is accompanied by a floppy disc containing the above named sequence, SEQUENCE ID NUMBERS 1-2 in computer readable form, and a paper copy of the sequence information. The computer readable sequence listing was prepared through use of the software program "Patent-In" provided by the PTO. The information contained in the computer readable disk is identical to that of the paper copy. This amendment contains no new matter. Applicant submits that this amendment, the accompanying computer readable sequence listing, and the paper copy thereof serve to place this application in a condition of adherence to the rules 37 C.F.R. sec. 1.821-1.825. Please direct any calls in connection with this application to the undersigned at (415) 781-1989.

Respectfully submitted,
DORSEY & WHITNEY LLP



Robin M. Silva, Reg. No. 38,304
Filed under 37 C.F.R. § 1.34(a)

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

The paragraph starting on page 112, line 12, has been amended as follows:

-Using the above techniques, and standard nucleic acid synthesis, the uridine with the phenyl-acetylene conductive polymer of Example 1 was incorporated at the 3' position to form the following nucleic acid: (SEQ ID NO:1) ACCATGGACTCAGCU-conductive polymer of Example 1 (hereinafter "wire-1").

The paragraph starting on page 119, line 13 has been amended as follows:

----The following nucleic acid composition was made using the techniques above: (SEQ ID NO:2) 5'-ACCATGGAC[UBF]CAGCU-conductive polymer (Structure 5 type, as outlined above) herein "wire-3", with UBF made as described above. Thus, the second electron transfer moiety, ferrocene, is on the sixth base from the conductive oligomer.--

On page 125, immediately preceding the claims, the entitled "SEQUENCE LISTING" has been added.